Helmholtz-Zentrum Dresden-Rossendorf e.V.

With cutting-edge research in the fields of ENERGY, HEALTH and MATTER, around 1,500 employees from more than 70 nations at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are committed to mastering the great challenges facing society today. At the Institute of Radiopharmaceutical Cancer Research scientists (f/m/d) from the fields of physics, chemistry, biology, pharmacy, immunology, medicine and IT develop innovative radiopharmaceuticals and novel tools for functional characterization, improved imaging and personalized treatment of tumors. The Department of Department Life Science Nanomicrosystems is looking for a

PhD Student (f/m/d) for RTG Supracolloidal Structures - from Materials to Optical and Electronic Components

The position is announced in frames of Research Training Group "Supracolloidal Structures: From Materials to Optical and Electronic Components" (GRK 2767) at Technische Universität Dresden. GRK 2767 aims to train a new generation of experts who will design materials made of supracolloidal structures from the drawing board to application in components. The German Research Foundation (DFG) is funding the project. In the course of the application procedure, which takes place both at the GRK 2767 of the TU Dresden and at the HZDR, the documents received by the HZDR will be forwarded to the GRK 2767. With your application you agree to this forwarding. It serves to ensure the greatest possible transparency of all incoming applications.

City: Dresden; Starting date (earliest): 01/08/25; Remuneration: TVöD-Bund; Reference number: 2025/83; Closing date: 30/06/25

Working field

- Fabrication of the array of nanoscopic FETs
  -Integration of the devices for multiplexed readout
  -Biochemical functionalizazion
- Biosensing experiments

Requirements

-Completed university studies (Master/Diploma) in the field of Nanoelectronics, Nanoscience and Nanotechnology, Bioengineering or related field
-Experiences with nano- and microfabrication and processing, biomolecular surface modification, nucleic acids sensing
-Proficiency in spoken and written English

What we offer

- A vibrant research community in an open, diverse and international work environment
  -Scientific excellence and extensive professional networking opportunities
  -A structured PhD program with a comprehensive range of continuing education and networking opportunities - more information about the PhD program at the HZDR can be found here
- Salary and social benefits in accordance with the collective agreement for the public sector (TVöD-Bund) including 30 days of paid holiday leave, company pension scheme (VBL)
  -We support a good work-life balance with the possibility of part-time employment, mobile working and flexible working hours
  -Numerous company health management offerings
  -Employee discounts with well-known providers via the platform Corporate Benefits
- An employer subsidy for the "Deutschland-Ticket Jobticket"

Application

We look forward to receiving your application documents (including cover letter, CV, diplomas/transcripts, etc.), which you can submit via our online-application-system: https://www.hzdr.de/db/Cms?pNid=490&pOid=74896&pContLang=en

More information at https://stellenticket.de/194919/LUH/
Offer visible until 26/06/25